

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended): A ceramic heater comprising:
a sintered ceramic plate including,
a heating element formed inside the sintered ceramic plate,
a bottomed hole made, being directed from an opposite side to a heating surface for heating an object to be heated, toward the heating surface,
a bottom portion of said bottomed hole formed relatively nearer to the heating surface than the heating element, and
a ~~temperature-measuring element~~ sheath type-thermocouple included in said bottomed hole and pressed on the bottom portion of said bottomed hole.

Claim 2 (Previously Presented): The ceramic heater according to claim 1,
wherein a distance between the bottom portion of said bottomed hole and said heating surface is from 0.1 mm to 1/2 of the thickness of the ceramic plate.

Claim 3 (Original): The ceramic heater according to claim 1,
wherein the ceramic constituting said ceramic heater is a nitride ceramic or a carbide ceramic.

Claim 4 (Original): The ceramic heater according to claim 1,
wherein said heating element is divided into at least two circuits.

Claim 5 (Original): The ceramic heater according to claim 1,
wherein said heating element has a section in a flat shape.

Claims 6-9 (Canceled).

10. (Currently Amended): The ceramic heatex according to claim 1,
wherein said ~~temperature-measuring element~~ sheath type thermocouple is pressed
thereon, by means of an elastic body or a screw.

Claims 11-12 (Canceled).

Claim 13 (Currently Amended): The ceramic heater according to claim 1,
wherein said bottomed hole is formed by sandblast ~~instrument~~ treatment or drilling.

Claim 14 (Previously Presented): The ceramic heater according to claim 1,
wherein said heating element is made of tungsten, molybdenum, a carbide of tungsten
or a carbide of molybdenum.

Claim 15 (New): The ceramic heater according to Claim 1,
wherein said sheath type thermocouple is connected to a control unit.

Claim 16 (New): A ceramic heater comprising:
a sintered ceramic plate including,
a rectangular-section heating element formed inside the sintered ceramic plate and
having an aspect ratio of a width to a thickness of the heating element in a range from 200 to
5000,

a bottomed hole made, being directed from an opposite side to a heating surface for
heating an object to be heated, toward the heating surface,

a bottom portion of said bottomed hole formed relatively nearer to the heating surface
than the heating element, and

a temperature-measuring element included in said bottomed hole and pressed on the
bottom portion of said bottomed hole.